

# PATENT ABSTRACTS OF JAPAN

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## (54) NETWORK RELAY DEVICE PROVIDED WITH LOAD DISTRIBUTING FUNCTION, LOAD DISTRIBUTING METHOD FOR NETWORK RELAY DEVICE AND PROGRAM

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a load distribution method for a router, by which the processing load of the router is distributed.

**SOLUTION:** The router has a CPU operating rate measurement means, that measures a CPU operating rate of its own and a priority setting means that dynamically sets priority by using the CPU operating rate. The priority setting means is controlled so as to receive lower priority, when the CPU operating rate is higher; while in the case of a protocol, such as the VRRP (virtual router redundancy protocol), a router with the highest priority is assigned to particular packet processing among a plurality of the routers. Thus, a router group to which the priority, is set as stated above and the protocol above are combined, to enable the router whose CPU operating rate is low to process many packets, so as to assign the processing in a way of distributing the processing load among the routers.

